

LITWAK, Arnold; RYMKIEWICZ, Halina; WOLSKA, Krystyna,

A case of mechanical anuria due to neoplastic metastases to both kidneys. Pol. przegl. chir. 37 no.4: Suppl:442-446 Ap'65.

1. Z Kliniki Urologicznej Akademii Medycznej w Warszawie (Kierownik: prof. dr. S. Wesolowski); z Kliniki Chrocb Wewnętrznych Akademii Medycznej w Warszawie (Kierownik: prof. dr. T. Orłowski) oraz z Zakładu Anatomii Patologicznej Akademii Medycznej w Warszawie (Kierownik: prof. dr. J. Groniowski).

LITWAK, Arnold

Renal complications after transurethral electroresection. Pol.
przepl. chir. 37 no.4:Suppl.:464-468 Ap'65.

1. Z Kliniki Urologicznej Akademii Medycznej w Warszawie (Kierownik: prof. dr. med. S. Wesolowski).

LITWAK, Arnold; STARZYNSKI, Stefan

Pathogenesis of malignant neoplasms of the kidneys. Urol. polska no.11:
87-95 1957.

1. Z Kliniki Urologicznej AM w Warszawie Kierownik: prof. dr med.
S. Wesolowski Z Zakladu Anatomii Patologicznej AM w Warszawie Kierownik:
prof. dr med. L. Paszkiewicz.
(KIDNEYS, neoplasms
pathogen. (Pol))

LITWAK, Arnold; GAWLIK, Zbigniew

A case of plasmacytoma of the testicle. Pol. przegl. chir. 37
no.4: Suppl:387-393 Ap'65.

1. Z Kliniki Urologicznej Akademii Medycznej w Warszawie
(Kierownik: prof. dr. med. S. Wesolowski) i z Zakladu Anatomii
Patologicznej Akademii Medycznej w Warszawie (Kierownik: prof.
dr. med. J. Groniowski).

LITWAK, Arnold

Hazards in retaining ureteral stumps in nephrectomy. Polski
przegl. chir. 33 no.11a:1394-1400 '61.

1. Z Kliniki Urologicznej AM w Warszawie Kierownik: prof. dr
S.Wesolowski.

(NEPHRECTOMY)

LITWAK, Arnold

Impression from a visit to a urological clinic. Polski przegl.
chir. 34 no.6a:644-651 '62.

1. Z Kliniki Urologicznej AM w Warszawie Kierownik: prof. dr S.Wesolowski
i z Centr. Szpitala Klinicznego WAM.
(HOSPITALS) (UROLOGY)

LITWAK, Arnold

Complications and hazards of endoscopic procedures. Pol. przegl.
chir. 35 no.11:Supplement:1271-1277

1. Z Kliniki Urologicznej AM w Warszawie; kierownik: prof.dr.
S.Wesolowski.

*

LITWAK, Arnold; HARTL-ULKOWSKA, Narcyza

Cystic kidney pyramids (sponge kidney). Pol. przegl. radiol. 28
no.5:445-446 3-9 '64

1. Z Zakladu Radiologii Lekarskiej Akademii Medycznej w Warszawie (Kierownik: doc. dr. med. S.L. Zgliczynski) i z Kliniki Urologicznej Akademii Medycznej w Warszawie (Kierownik: prof. dr. med. H. Wesolowski).

HINTZ, Regina; OSTROWSKI, Kazimierz; LITWAK, Arnold

On so-called idiopathic hypertension. Wiad. lek. 18 no.8:675-679
15 Ap '65.

1. Z III Kliniki Chorob Wewnętrznych Akademii Medycznej w
Warszawie (Kierownik: prof. dr. med. E. Kodejszko) i z
Kliniki Urologicznej Akademii Medycznej w Warszawie (Kie-
rownik: prof. dr. med. S. Wesolowski).

BENENDO-KAPUSCINSKA, Bogusława; LITWAK, Arnold

Calcium milk in the kidneys. Pol. przegl. radiol. 29 no.1:
67-73 Ja-F'65

1. Z Zakładu Radiologii Lekarskiej Akademii Medycznej w
Warszawie (Kierownik: prof. dr. med. L. Zgliczynski) ;
z Kliniki Urologicznej Akademii Medycznej w Warszawie
(Kierownik: prof. dr. med. S. Wasolowski).

MYSAKOWSKA, Helena; PIETRON, Eugeniusz; SIKORA-ROZYNKA, Maria;
SMAGA, Marta; LITWIN, Barbara; RYBICKA-STRYJECKA, Zofia

Results of antibacterial treatment of pulmonary tuberculosis
in patients with primary resistance to drugs. Pol. tyg. lek.
20 no.19:686-688 10 My '65.

1. Z Katedry Ftyzjatrii AM w Lublinie (Kierownik: doc. dr.
H. Mysakowska).

LITWAY, E.
LITWAY, Emil

ACTH and cortisone therapy in pediatrics. Orv. hetil. 99 no.5:145-151
2 Feb 58.

(ACTH, ther. use
pediatric dis., review (Hun))
(CORTISONE, ther. use
same)
(PEDIATRIC DISEASES, ther.
ACTH & cortisone, review (Hun))

LITWIN, Boguslaw (Warszawa); GRABOWSKI, Tadeusz (Plock); PERCZYNSKI,
Waldemar (Warszawa)

Equipment outfit for the construction of the Combine in Plock.
Przepl budowl i bud mieszk 34 no.4/5:255-258, 265 Ap-My '62.

LITWIN, Eugenia

Case of generalized septicemia with congenital pulmonary cyst in a premature. *Pediat. polska* 31 no.2:192-196 Feb 56.

1. Z Kliniki Niemowlecej Instytutu Matki i Dziecka. Dyrektor Instytutu: prof. dr. med. F. Groer. Kierownik Kliniki: doc. med. I. Bielicka.

(LUNGS, cysts,
congen. with septicemia in premature (Pol))

(CYSTS,
lung. congen., with septicemia in premature (Pol))

(SEPTICEMIA AND BACHEMIA, in infant and child,
premature, with congen. lung cyst (Pol))

(INFANT, PREMATURE, diseases,
congen. lung cyst with septicemia (Pol))

HOFMAN, Halina; LITWIN, Eugenia; KARSKA, Garbiela

Contribution to the pathogenesis of target cells in liver
cirrhosis in small children. Pol. tyg. lek. 18 no.25:889-893-
17 Je '63.

1. Z Oddziału Niemowlęcego; p.o. kierownik: dr med. H. Hofman
i z Zakładu Hematologii; kierownik: prof. dr med. Wł.
Ławkowicz, Instytutu Matki i Dziecka w Warszawie; dyrektor
prof. dr med. B. Gornicki.

(ERYTHROCYTES) (LIVER CIRRHOSIS)
(PATHOLOGY)

HOFMAN, H.; LITWIN, E.; BOROWICZ, K.; KUBICZ, S.

A syndrome of eosinophilic granuloma, Abt-Letter-Siwe disease and Hand-Schueller-Christian disease in an infant. *Pediat. polska* 36 no.4:387-396 '61.

1. Z Oddziału Niemowlecego P.o. Kierownik: dr med. k.n.m. H. Hofman
2 Zakładu Anatomii Patologicznej Kierownik: dr med. K. Borowicz i
3 Zakładu Radiologii Kierownik: doc. dr med. S. Kubicz Instytutu
Matki i Dziecka w Warszawie Dyrektor: prof. dr med. Fr. Groer.

(EOSINOPHILIC GRANULOMA in inf & child)
(LETTERER SIWE DISEASE in inf & child)
(HAND SCHUELLER CHRISTIAN SYNDROME in inf & child)

HOFMAN, H.; LITWIN, E.; KARSKA, G.

Pathogenesis of target cells in the liver cirrhosis. Postepy biochem.
8 no.4:566 '62.

1. Z Instytutu Matki i Dziecka w Warszawie.
(LIVER CIRRHOSIS) (ERYTHROCYTES) (ANEMIA MACROCYTIC)

POLAND

HOEMAN, Halina, LITWIN, Eugenia, and KARSKA, Gabriela;
Infants' Division (Oddzial Niemowlat) (Acting Director:
Dr. med. H. HOEMAN) and Department of Hematology (Zaklad
Hematologii) (Director: Prof. Dr. med. Wl. LAWKONICZ),
both of the Mother and Child Institute (Instytut Matki i
Dziecka) in Warsaw (Director: Prof. Dr. med. B. GORNICKI)

"On the Pathogenesis of Target Cells in Liver Cirrhosis
of Small children."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 25, 17 Jun 63,
pp 889-893

Abstract: [Authors' English summary modified] Authors re-
port three cases of liver cirrhosis with high lipemia and
abnormal lipidograms as a possible contribution to the hy-
pothesis of peripheral, lipemic origin of the target cells.
They review literature on subject and suggest that the dis-
turbances in fat and lipoprotein metabolism in cirrhosis
may cause not only the changes in serum contents, but also
in blood morphotic elements, especially red cells, cre-
ating cells of specific shape and tonus. 29 refs, no Soviet

1/1

LITWIN, F.

Case of subacute inflammation of the thyroid successfully treated
with penicillin and methylthiouracil. Polski tygod. lek. 7 no.3-4:84
-86 21 Jan 1952. (CIWL 22:2)

1. Of the Second Clinic of Internal Diseases (Head--Prof. Masciwoj
Semerau-Siemianowski, M. D.) of Warsaw Medical Academy.

LITWIN, F.; KENIGOWA, M.

Treatment of cerebral embolism in heart diseases by anticoagulants; heparin and derivatives of coumarin. Polski tygod. lek. 7 no. 5-6: 124-131 4 Feb 1952. (CJML 22:4)

1. Of the Second Clinic of Internal Diseases (Director--Prof. Maciej Semerau-Siemianowski, M. D.) of Warsaw Medical Academy and of the Neurological Department (Head--Janina Morawiecka, M. D.) of Warsaw Municipal Hospital No. 1.

LITWIN, Franciszek

Subacute thyroiditis in chronic suppurative tonsillitis. Polski tygod. lek. 9 no. 44:1413-1418 2 Nov 54.

1. Z II Kliniki Chorob Wewnętrznych Akademii Medycznej w Warszawie; kierownik: prof. dr med. M. Semerau-Siemianowski i z Oddziału Otolaryngologicznego Szpitala Miejskiego Nr 1 w Warszawie, ordynator dr med. K. Krolakiewicz.
(TONSILLITIS, complications,
thyroiditis)
(THYROIDITIS, complications,
tonsillitis)

RYKOWSKI, Henryk; RUDOWSKI, Witold, prof. dr. med.; KRZESKI, Tadeusz,
dr. med.; LITWIN, Franciszek, doc. dr. med.; FEJGIN, Mieczyslaw,
prof. dr. med.; MARZINEK, Boleslaw

2 cases of surgical treatment of renal hypertension. Pol. tyg. lek.
20 no.10:359-360 8 Mr '65.

1. Z I Kliniki Chirurgicznej Studium Doskonalenia Lekarzy (Kierownik: prof. dr. med. J. Kubiak); z Oddziału Chirurgicznego Szpitala Wojewodzkiego (Ordynator: prof. dr. med. W. Rudowski); z Oddziału Urologicznego Szpitala Wojewodzkiego (Ordynator: dr. med. T. Krzeski); z Oddziału Wewnętrznego Szpitala Wojewodzkiego (Ordynator: doc. dr. med. F. Litwin) i z Oddziału Wewnętrznego Szpitala Czerniakowskiego w Warszawie (Ordynator: prof. dr. med. M. Fejgin) oraz z I Kliniki Chirurgicznej Akademii Medycznej w Warszawie (Kierownik: prof. dr. med. J. Nielubowicz).

LITWIN, Jerry

Effect of male and female sex hormones on enzymes. Acta physiol.
polon. 5 no.2:161-185 1954.

1. Z Zakladu Fizjologii Czlowieka Akademii Medycznej w Warszawie.
Kierownik: prof. dr F.Czubalski.

(ENZYMES, physiology,
eff. of sex hormones, review)
(SEX HORMONES, effects,
on enzymes, review)

LITWIN, Jerzy

Hypotensive action of autohemolysates in various states of tonus of the vegetative nervous system. Acta physiol. polon. 5 no.3: 279-289 1954.

1. Z Zakladu Fizjologii Czlowieka Akademii Medycznej w Warszawie.
Kierownik: prof. dr Fr.Czubalski.

(BLOOD PRESSURE, effect of drugs on,
erythrocyte autohemolysates, eff. of autonomic drugs)

(ERYTHROCYTES,
autohemolysates, eff. on blood pressure, eff. of
autonomic drugs.

(AUTONOMIC DRUGS, effects,
erythrocyte autohemolysate action on blood pressure)

LITWIN, Jerzy

Effect of adrenaline administered after adrenolytic drug on hypotensive action of autohemolysates in cats. Acta physiol. polon. 5 no.4:397-399 1954.

1. Z Zakladu Fizjologii Czlowieka Akademii Medycznej w Warszawie.
Kierownik: prof. dr P.Czubalski.

(PROCAINE, effects,

on hypotensive reaction to erythrocyte autohemolysates,
admin. after adrenolytic drugs)

(HEMOLYSIS,

autohemolysates, hypotensive eff., eff. of procaine admin.
after adrenolytic drugs on hypotensive action)

(BLOOD PRESSURE, effect of drugs on,

autohemolysates, eff. of procaine admin. after adrenolytic
drugs on hypotensive reaction)

LITWIN, J.

370. Prolongation of the adrenaline pressor effect after bilateral vagotomy in cats. J. Litwin *Bull. Acad. polon. Sci.*, 1955, 3, 145-148 (Dept. of Human Physiol., Sch. of Med., Warsaw).--Bilateral vagotomy in cats causes a marked prolongation of the adrenaline-produced pressor effect and simultaneously the phase of the secondary fall in blood pressure disappears almost completely. No clear relation is established between the degree of prolongation of the pressor phase and the intensity of the pressor effect. A possible mechanism for the changes is suggested. E. C. BUTTERWORTH.

LITWIN, Jerzy

Effect of adrenalin administered following adrenolytic drugs on hypotensive reactions to autohemolysates in cats. Acta physiol. polon 6 no.2:191-204 '55.

1. Z Zakladu Fizjologii Czlowieka A.M. w Warszawie, Kierownik: prof. dr Fr. Czubalski.

(HEMOLYSIS,

autohemolysates, eff. on blood pressure, reactions after admin. of epinephrine & sympatholytic in cats)

(BLOOD PRESSURE, effect of drugs on autohemolysates, eff. of epinephrine after admin. of sympatholytics on responses in cats)

(SYMPATHOLYTICS, effects,

on blood pressure responses to autohemolysates, eff. of epinephrine on reactions in cats)

(EPINEPHRINE, effects,

on blood pressure response to autohemolysates after admin. of sympatholytics in cats)

LITWIN, Jerzy

Effect of hemolyzed erythrocytes on function of isolated heart.
Acta Physiologica Polonica 6 no.2:205-212 1955.

1. Z Zakladu Fizjologii Czlowieka A.M. w Warszawie. Kierownik:
prof. dr Fr. Czubalski.

(HEART, physiology,

eff. of hemolyzed erythrocytes on isolated heart)

(HEMOLYSIS,

eff. of hemolyzed erythrocytes on isolated heart)

KRZESKI, Tadeusz, LITWIN, Jerzy; KUBIAK, Joseph

~~-----~~
Oncometric investigations on the effect of erythrocytic auto-hemolysates on renal circulations. Acta physiol.polon.6 no.2: 213-221 '55.

1. Z Zakladu Fizjologii Czlowieka A.M. w Warszawie, Kierownik: prof. dr F. Czubalski.

(KIDNEYS, physiology,

eff. of autohemolysates on circ. rate)

(HEMOLYSIS,

autohemolysates, eff. on kidney circ. rate)

EXCERPTA MEDICA Sec.13 Vol.12/1 Dermato & Venereo Jan58

LITWIN, J.

178. NEW DATA ON THE ADRENALINE-HISTAMINE ANTAGONISM. Litwin
J. Dept. of Human Physiol., Sch. of Med., Warsaw. BULL. ACAD. POLON.
SCI. 1956, 4/6 (231-234) Graphs 2

The hypotensive action of histamine injected i. v. in the cat is strongly inhibited by adrenaline administration. The inhibition is not solely due to a purely physiological antagonism, as this effect of adrenaline is still produced after the administration of adrenolytics which suppress its hypertensive action. It seems to be due to an antagonism peculiar to the adrenaline molecule, which competes for certain peripheral histamine receptors.

Lecomte - Liège (II, 13)

EXCERPTA MEDICA Sec.2 Vol.10/9 Phy.Biochem. Sept 57
LITWIN J.

4099. LITWIN J. Dept. of Human Physiol., Sch. of Med., Warsaw. * The influence of histamine on pressor effects of sympathetic nerve stimulation in cats BULL. ACAD. POLON. SCI. 1956, 4/6 (235-238) Graphs 3

The vasopressor effects of stimulation of the peripheral stump of the sciatic or splanchnic nerves in the cat are inhibited by concomitant i.v. administration of histamine. The mechanism of the inhibition does not depend on a synaptolytic action of histamine but on an antagonism of purely peripheral nature which requires further investigation.

Lecomte - Liège

LITWIN, Jerzy

Limiting effect of vagus nerves on pressor action of adrenalin in cats. Acta physiol. polon. 7 no.2:141-157 1956.

1. Z Zakladu Fizjologii Czlowieka A.M. w Warszawie. Kierownik: prof. dr. Fr. Czubalski.

(NERVES, VAGUS, physiology,

limiting action in blood pressure reactions to epinephrine in cats (Pol))

(BLOOD PRESSURE, physiology,

eff. of epinephrine & limiting action of vagus nerve in cats (Pol))

(EPINEPHRINE, effects,

on blood pressure, limiting action of vagus nerve in cats (Pol))

LITWIN, Jerzy

Role of inhibition of vasomotor reflexes in limitation of pressor effects of adrenalin in cats. Acta physiol. polon. 7 no.3:271-286 1956.

1. Z Zakladu Fizjologii Czlowieka A.M. w Warszawie Kierownik:
prof. dr. Fr. Czubalski.

(BLOOD PRESSURE, effect of drugs on,
epinephrine, eff. of inhib. of vasomotor reflexes in
cats (Pol))

(EPINEPHRINE, effects,
on blood pressure, eff. of inhib. of vasomotor reflexes
in cats (Pol))

LITWIN, Jerzy; KUBIAK, Jozef

Effect of adrenaline on blood pressure and respiration in post-transfusion shock in cats. Polski tygod. lek. 11 no.30:1336-1339 23 July 56.

1. Z Zakladu Fizjologii Czlowieka A.M. w Warszawie; kierownik: prof. dr. Fr. Czubalski, Warszawa, Zaklad Fizjologii Czlowieka A.M. Drak. Przedmiescie 26/28.

(SHOCK, experimental

post-transfusion, eff. of epinephrine on blood pressure & resp. (Pol))

(BLOOD TRANSFUSION, experimental,

post-transfusion shock, eff. of epinephrine on blood pressure & resp (Pol))

(EPINEPHRINE, effects,

on blood pressure & resp. in exper. post-transfusion shock (Pol))

(BLOOD PRESSURE, effect of drugs on,

epinephrine in exper. post-transfusion shock (Pol))

(RESPIRATION, effect of drugs on,

same)

3197. LITWIN J. Zakł. Fizjol. Człowieka A.M., Warszawa. *Hamujący wpływ adrenaliny na hipotensyjne efekty drażnienia dośrodkowego odcinka nerwu błędnego. Inhibitory influence of adrenaline on hypotensive effects of stimulation of the centripetal segment of the vagus nerve ACTA PHYSIOL. POL., 1957, 8/1 (93-106) Graphs 7 Tables 1

The investigations were carried out on 14 adult cats and 4 rabbits of both sexes in chloralose anaesthesia. The experiments indicated that small (1-12.5 $\mu\text{g./kg.}$), average (20-40 $\mu\text{g./kg.}$) and large (0.05-0.1 mg./kg.) adrenaline doses in cats and rabbits inhibit the hypotensive effects of moderate stimulation of the centripetal segment of the left vagus nerve and the depressor nerve. Such moderate stimulation evoked (the second vagus nerve not having been cut) at the most, proportionately a small vagus pulse. The extent of inhibition depends on the administered adrenaline dose; with larger doses it may be almost complete or complete. The duration of inhibition depends also on the dose of adrenaline and distinctly surpasses the duration of the adrenaline pressor phase. In cases in which the phase of the secondary pressure fall is marked, inhibition lasts at least during its greater part. It certainly already exists in the final stage of the adrenaline pressor phase. The effects of very strong stimulation of the centripetal segment of the left vagus nerve, characterized by a distinct vagus pulse, are usually only inhibited in a small degree by adrenaline. However, after cutting the second vagus nerve, the effects of stimulation by a similar force undergo inhibition in a considerable degree. Adrenaline does not inhibit the effects of stimulation of the peripheral segment of the vagus nerve. The adrenaline inhibition of hypotensive effects of stimulation of the centripetal segment of the vagus nerve in cats has an extent and duration approximately the same as inhibition of the pressor effects of stimulation of the peripheral segment of the left splanchnic nerve. The author considers that the inhibition of the hypotensive effects of stimulation of the centripetal segment of the vagus nerve by adrenaline concerns their component which is connected with depressor action on the vasoconstrictor centre. This inhibition consists partly at least in blocking the transmission in synapses of the sympathetic vegetative ganglia.

LITWIN, J.; PANASEWICZ, J.

Spontaneous increase of blood pressure in immobilized animals. Acta
physiol. polon. 8 no.3:420-422 1957.

1. Z Zakladu Fizjologii Czlowieka A. M. w Warszawie Kierownik: prof. dr
F. Czubalski.

(BLOOD PRESSURE,

eff. of immobilization in animals (Pol))

(MOVEMENT,

immobilization, eff. on blood pressure in animals (Pol))

LITWIN, J.

Effect of hypothermia on pressor and depressor activity of adrenaline in cats. Acta physiol. polon. 8 no.3:422-424 1957.

1. Z Zakładu Fizjologii Człowieka A. M. w Warszawie Kierownik: prof. dr F. Czubalski.

(HYPOTHERMIA, effects,

on blood pressure response to epinephrine (Pol))

(BLOOD PRESSURE, effect of drugs on,

epinephrine, eff. of hypothermia on reactivity (Pol))

(EPINEPHRINE, effects,

on blood pressure, eff. of hypothermia on reactivity (Pol))

LITWIN, J.

Behavior of vasomotor reactions in cats in hypothermia. Acta physiol. polon. 8 no.3:424-426 1957.

1. Z Zakladu Fizjologii Czlowieka A. M. w Warszawie Kierownik: prof. dr F. Czubalaki.

(BLOOD PRESSURE, physiology,

eff. of hypothermia on vasomotor responses to stimuli (Pol))

(HYPOTHERMIA, effects,

on vasomotor responses to stimuli (Pol))

LITWIN, J.

Asphyxia and vasomotor responses in cats. Acta physiol. polon. 8 no.3:
426-428 1957.

1. Z Zakladu Fizjologii Czlowieka A. M. w Warszawie Kierownik: prof.
dr F. Czubalski.

(BLOOD PRESSURE, physiology,

eff. of asphyxia on vasomotor reactions in cats (Pol))

(ASPHYXIA, experimental,

eff. on vasomotor reactions in cats (Pol))

EXCERPTA MEDICA Sec 2 Vol 12/4 Physiology Apr 59

1408. THE INHIBITORY ACTION OF ASPHYXIA ON THE HYPOTENSIVE EFFECTS OF HISTAMINE IN CATS - Litwin J. Lab. of Human Physiol., Sch. of Med., Warsaw - BULL. ACAD. POL. SCI. CL. 2 1958, 6/3 (125-128)
Asphyxia lasting 1 min. 15 sec. to 4 min. decreased the hypotensive effects of histamine in cats. Bilateral adrenalectomy and vagotomy had no influence on the phenomenon. The inhibition of this histamine effect by anoxia appears to be due to a diminished reactivity of the vascular system to the action of histamine, caused either by the oxygen deficiency or by the influence of the products of hypoxia accumulating in the organism.
Fraile - Barcelona

LITWIN, Jerzy; KORDECKI, Roman

Deactivation of adrenalin in the liver of dogs fed with thyroid products.
Polski tygod. lek. 13 no.40:1542-1547 6 Oct 58.

1. Z Zakladu Fizjologii Czlowieka A. M. w Warszawie; kierownik: prof. dr
F. Czubalski. Adres: Warszawa, ul. Krakowskie-Przedmiescie 28. Zaklad Fiz-
jologii A. M.

(EPINEPHRINE, metab.

deactivation in liver of thyroxin-fed dogs (Pol))

(THYROXIN, eff.

deactivation of epinephrine in liver of thyroxin-fed dogs
(Pol))

(LIVER, metab.

epinephrine deactivation in liver of thyroxin-fed dogs (Pol))

LITWIN, J.;JANCZEWSKA, H.

Influence of isopropylnoradrenaline and noradrenaline on the hypotensive effects of histamine. Bul Ac Pol biol. 7 no.6:237-241 '59
(KNAI 9:6)

1. Laboratory of Human Physiology, School of Medicine, Warsaw, presented by F. Czubalski.

(Arterenol) (Histamine)

(Isopypylaminomethylprotocatechuyl alcohol)

LITWIN, J.

Inhibitory influence of adrenaline pretreatment on the immediate
hypotensive effects of trypan blue in the dye shock in cats. Bul
Ac Pol biol. 7 no.6:243-248 '59 (REAL 9:6)
(Adrenaline) (Trypan blue)
(Dyes and dyeing)

LITWIN, J.

Inhibitory influence of asphyxia on pressor effects of stimulation
of the splanchnic nerve in cats. Bul Ac Pol biol 7 no.7:277-281
'59. (KEAI 9:6)

1. Laboratory of Physiology, Polish Academy of Sciences.
Presented by P. Czubalski.
(Asphyxia) (Nerves)

LITWIN, J.; JANCZEWSKA, H.

Inhibiting effects of asphyxia on hypotensive effects of acetylcholine in cats. Acta physiol. polon. 10 no.3:297-311 May-June 59.

1. Z Zakladu Fizjologii Czlowieka A. M. w Warszawie Kierownik: prof. dr F. Czubalski.

(ACETYLCHOLINE, pharmacol.) (BLOOD PRESSURE, pharmacol.)
(ASPHYXIA, exper.)

LITWIN, J.

Cardiac function during adrenalin phase of secondary drop of arterial blood pressure. Acta physiol. polon. 10 no.3:313-324 May-June 59.

1. Z Zakladu Fizjologii Czlowieka A. M. w Warszawie Kierownik: prof. dr F. Czubalski.

(EPINEPHRINE, pharmacol.)(BLOOD PRESSURE, physiol.)
(HEART, physiol.)

LITWIN, Jerzy

Inhibition of hypotensive effects of histamine by adrenalin.
Rozpr.wydz.nauk med. 5 no.1:5-50 '60.

1. Z Zakladu Fizjologii Czlowieka Akademii Medycznej w Warszawie
Kierownik: prof. dr Franciszek Czubalski. Przedstawili: prof. dr
Piotr Kubikowski, Prof. dr Julian Walawski. Adiunkt Zakladu
fizjologii Czlowieka AM.

(HISTAMINE pharmacol)

(EPINEPHRINE pharmacol)

(VASCOMOTOR SYSTEM pharmacol)

LITWIN, J.

Studies on the mechanism of posthypoxic hyperemia in the hind leg in dog. Acta physiol.polon. 11 no.5/6:805-808 '60.

1. Z Zakladu Fizjologii Czlowieka A.M. w Warszawie. Kierownik: prof.dr F.Czubalski. Z Zakladu Farmakologii University of Pennsylvania School of Medicine, Philadelphia, Kierownik: prof. dr G.Koelle.

(ANOXIA exper)

(VASOMOTOR SYSTEM physiol)

LITWIN, Jerry

The inhibitory influence of anoxia on pressor and cardiac effects of noradrenaline after sympathetic blockade. Acta physiol pol 12 no.6: 785-792 '61.

1. Department of Human Physiology, School of Medicine, Warsaw. Head: prof. W. Missiuro, M. D. Adres autora: Zaklad Fizjologii Czlowieka Akademii Medycznej Warszawa, Krakowskie Przedmiesnie 26/28.

(ANOXIA)

LITWIN, J.

The effect of large doses of histamine on the pulmonary circulation in the dog. Acta physiol. acad. sci. Hung. 24 no.2:183-192 '63.

1. Department of Human Physiology, School of Medicine, Warsaw, Poland.

(HISTAMINE) (PULMONARY CIRCULATION)
(PHYSIOLOGY) (BLOOD PRESSURE)
(PHARMACOLOGY)

ACCESSION NR: AP4041429

G/0030/64/005/003/0551/0553

AUTHOR: Litwin, J.

TITLE: X-ray examination of the binary system CdTe-CdSe

SOURCE: Physica status solidi, v. 5, no. 3, 1964, 551-553

TOPIC TAGS: cadmium-tellurium-selenium system, cadmium telluride, cadmium selenide, substitutional solid solution, x-ray examination, binary system

ABSTRACT: Solid solutions, prepared from the cubic modification of CdTe and the hexagonal modification of CdSe, were investigated by the Debye-Scherrer powder method with asymmetrical film setting as described in reference [5] (W. T. Sproull, X-Ray in Practice, MacGraw-Hill, New York, 1946). The polycrystalline samples were prepared from a melt of CdTe and CdSe at 1300C. These samples contained 0, 20, 30, 36, 50, 70, 80, and 100 atomic % CdSe. Both initial structures exist in the range from 40% to 60% CdSe; at lower

Card 1/2

ACCESSION NR: AP4041429

CdSe concentrations only the cubic structure appears and at the higher concentrations all solutions are hexagonal. The lattice constants vary with composition, as shown by the results of Table 1. The computed value of the density for the sample containing 80% CdSe is $5.74 \pm 0.03 \text{ g/cm}^3$ and the directly measured value is $5.69 \pm 0.01 \text{ g/cm}^3$, the results agreeing to an extent which confirms the substitutional nature of the solid solution. The author thanked Prof. L. Sosnowski and Dr. J. Auleytner for their supervision, also Prof. R. Andrejczyn of the Bulgarian Academy of Sciences and Dr. W. Wardzynski for suggestions. Orig. art. has: 3 figures and 1 table.

ASSOCIATION: Institute of Experimental Physics, University of Warsaw

SUBMITTED: 21Mar64

ENCL: 00

SUB CODE: SS

NO REF SOV: 004

OTHER: 002

Card 2/2

BRUS, Irena; LITWIN, Joanna; MDZEWSKI, Bohdan; TRACZYK, Zdzisława

Observation on the effect of some infections on the course of acute leukemia in adults. Pol. arch. med. wewn. 34 no.12: 1681-1687 '64.

1. Z Kliniki Hematologicznej Instytutu Hematologii i Katedry Hematologii Studium Doskonalenia Lekarzy (Kierownik: prof. dr. med. W. Lawkiewicz).

SZMIGIELSKI, Stanislaw; LITWIN, Joanna; ZUPANSKA, Barbara; KRCLIKOWSKA, Irena

Histochemical studies on bone marrow and blood cells. Postepy
hig. med. dosw. 19 no.1:1-76 Ja-F'65.

1. Z Kliniki Hematologicznej Instytutu Hematologii w Warszawie
(Kierownik: prof. dr. W. Lawkowicz).

JANCZEWSKA, H.; LITWIN, J.

The role of chemoreceptors in the production of vasomotor and pressor responses to systemic anoxia in the dog. Bull. acad. Pol. sci. (Biol) 13 no.3:181-184 '65.

1. Submitted January 16, 1965.

KOLAKOWSKA-POLUBIEC, Krystyna; LITWIN, Joanna; TRACZYK, Zdzisława

A case of acute myelocytic leukemia with periodical hyperthrombocythemia. Pol. tyg. lek. 20 no.31:1166-1167 2 Ag '65.

1. Z Kliniki Hematologicznej Instytutu Hematologii (Kierownik: prof. dr. med. W. Iawkowicz).

KOIAKOWSKA-PODIBIEC, Krystyna; LITWIN, Joanna; TRACZYK, Zdzisława

Acute myeloid leukemia in adult patients. Pol. arch. med.
wewn. 35 no.7:969-974 '65.

1. Z Kliniki Hematologicznej Instytutu Hematologii (Kierownik:
prof. dr. med. W. Ławkowicz).

2

L 00626-67 T/EWP(t)/ETI IJP(c) JD

ACC NR: AP6018642

SOURCE CODE: PO/0045/66/029/001/0003/0013

AUTHOR: Litwin, J.; Tomaszewski, L.; Auleytner, J. 19
15
B

ORG: [Litwin; Tomaszewski] Institute of Experimental Physics,
Warsaw University; [Auleytner] Physics Institute, Polish Academy
of Sciences, Warsaw

TITLE: Investigation of the real structure of CdSe single crystals
deformed by uniaxial pressure 17 18

SOURCE: Acta physica polonica, v. 29, no. 1, 1966, 3-13

TOPIC TAGS: crystal structure analysis, crystal deformation, pressure
effect, cadmium selenide ~~crystal~~

ABSTRACT: The purpose of this study was the real structure of cadmium selenide both in the case of non-deformed specimens and as a function of uniaxial pressure. The deformation pressures ranged from 0-600 kg/cm². A three-crystal spectrometer has been used. Plastic deformation at 200 to 600 kg/cm² has been found to be irreversible. An analysis of the rocking curves, obtained with the spectrometer, permitted the calculation of the dislocation density in CdSe specimens before and after pressure has been applied, yielding an increase

Card 1/2

L-00626-67

ACC NR: AP6018642

by a factor of more than one at pressures between 200 and 600 kg/cm².
The authors thank Professor Dr. L. Sosnowski for his discussion and
many valuable hints, Dr. T. Bedynska for her discussion of the results,
Dr. W. Gariat for providing the crystals, Dr. M. Lefeld-Sosnowska for
spectrometer measurements, M. Grynberg, M. Sci., for his interest in
their work, and B. Kunicka for her technical cooperation in working
out the results. Orig. art. has: 10 figures and 1 table. [Based on
authors' abstract] [NT]

SUB CODE: 20/ SUBM DATE: 17Apr65/ ORIG REF: 003/ OTH REF: 004

Cord

2/2

pb

SZMIGIELSKI, Stanisław; LITWIN, Joanna

Zinc in human physiology and pathology. Postępy hig. med. dozw.
18 no.4:613-635 Ji-Ag '64

1. Z Kliniki Hematologicznej Instytutu Hematologii w Warszawie
(Kierownik: prof. dr. W. Ławkowski).

LITWIN, Joanna; SZMIGIELSKI, Stanislaw; ZUPANSKA, Barbara

Histochemical studies of the activity of nonspecific esterases
in blood and bone marrow cells. Pol. arch. med. wewnet. 35 no.5:
647-652 '65.

1. Z Kliniki Hematologicznej Instytutu Hematologii w Warszawie
i z Katedry Hematologii Studium Doskonalenia Lekarzy w Warszawie
(Kierownik: prof. dr. med. W. Lawkowicz).

SZMIGIELSKI, Stanislaw; LITWIN, Joanna

Granulocyte zinc content in normal subjects and in some hematological diseases. (Preliminary communication). Pol. arch. med. wewn. 34 no.3:319-321 '64

1. Z Kliniki Hematologicznej Instytutu Hematologii w Warszawie; kierownik: prof. dr.med. W.Lawkowicz

*

SZYCHLINSKI, Jerzy; LITWIN, Leokadia

Research on the photochemistry of aromatic halogen derivatives.
Pt. 6. Roczniki chemii 37 no.6:671-678 '63.

1. Katedra Chemii Fizycznej, Wyższa Szkoła Pedagogiczna, Gdansk.

PAPLINSKI, Zbigniew; RAKOWSKA, Danuta; LITWIN, Mirosław

Treatment of bleeding gastric and duodenal ulcers. Polski przegl. chir.
30 no.5:493-496 May 58.

(PEPTIC ULCER, hemorrhage,
surg. (Pol))

PAPLINSKI, Zbigniew; LITWIN, Mirosław

Therapy of perforated gastric and duodenal ulcer according to material of the I Klinika chirurgiczna A. M. in Lublin. Polski przegląd. chir. 32 no.5:425-431 My '60.

1. Z I Kliniki Chirurgiczna w Lublinie, Kierownik: prof. dr T. Jacyna-Onyszkiewicz.
(PEPTIC ULCER PERFORATION surg.)

LITWIN, R.

The principles of designing magnetrons. p. 1.
(Technika Lotnicza, Vol. 7, No. 20, 1957, Krakow, Poland)

SO: Monthly List of East European Accessions (EEAL) Lc. Vol. 6, No. 8, Aug. 1957. Uncl.

LITWIN, Romuald

Delay line for the "C" type carcinotron. Przegl. elektroniki 3 no.5:
273-276. Wy '62

1. Katedra Urzadzen Radiotechnicznych, Politechnika, Warszawa.

L 00783-67 EWP(f)/T WW/JWD
~~ACC NR AP 6017816~~

SOURCE CODE: PO/0008/65/000/012/0297/0302

55
B

AUTHOR: Litwin, Tadeusz (Master Engineer)

ORG: none

TITLE: Solid fuel ramjets

SOURCE: Technika lotniczna, no. 12, 1965, 297-302

TOPIC TAGS: ramjet engine, solid fuel

ABSTRACT: The article reviews the development of solid fuel ramjet engines beginning with the German experiments towards the end of World War II at the "Skoda" Works in Czechoslovakia, discusses the particular design of one such ramjet which is already in series production, compares solid fuel ramjets with solid fuel rockets and evaluates the possibilities of using solid fuel ramjets. The advantages and disadvantages of solid fuel ramjets in comparison with solid fuel rockets are weighted. The prospects for the further development and the principal problems in the design and construction of solid fuel ramjets is also discussed. The most important problems associated with the choice of a fuel for the ramjet and the processes which take place in the mixing and combustion chambers are cursorily dealt with along with some

Card 1/2

L 00783-67

ACC NR: AP6017816

of the results of the author's experiments. It is concluded that inasmuch as it is at present possible to correctly design rocket motors exclusively on the basis of text book materials, in the future, when more statistical data has been assembled it will be possible to design solid fuel ramjet engines. Orig. art. has: 4 figures.

SUB CODE: 21/ SUBM DATE: none/ ORIG REF: 002/ SOV REF: 001/ OTH REF: 004

awm

Card 2/2

LITWINOWICZ, Jaroslaw (Warszawa)

The history of export and meat industry. Pt. 5. Gcsp miesna 14 no. 1:
16-17 Ja '62.

LITWINOWICZ, Jaroslaw (Warszawa)

Animex, the exporter of animal products. Przem spos 15 no.8:39-43 '61.

LITWINISZYN, J.; SMOLARSKI, A.Z.

On a certain solution of the equation $\gamma(\tau) v'_x(x, \tau) = A v'_{xx}(x, \tau) + f[v(x, \tau)]$
 $[v'_x(x, \tau)]$ and its application to the problems of mechanics of
 loose media. Bul Ac Pol tech 10 no.3:[147]-[153] '62.

1. Laboratory of Rheology, Institute of Fundamental Technical
 Problems, Polish Academy of Sciences, Warsaw. Presented by
 J.Litwiniszyn.

PROCESSING AND PROPERTIES INDEX																									
COMMON ELEMENTS													COMMON ELEMENTS												
2096. VENTILATION OF POLISH COLLIERIES IN 1948. Litwiniszyn, J. (Przeglad Gorniozy, 1949, vol. 36, 410-418). About 50% of all ventilators in Polish Collieries have a capacity of 1250-2920 m.³/min., 50% work with a depression of 42-100 m.m. w.g. The quantity of air supplied amounts on an average to 1.83 m.³/min. per ton of daily output 17.5% of all ventilators are working with an equivalent orifice of less than 1 m.², 55% with 1-2 m.² and 27.5% with more than 2 m.². Many mines are at present ventilated by several ventilators, so the figures for equivalent orifices will undoubtedly increase with centralisation of ventilation. In 52% of cases the effective working power of ventilators is less than 50 h.p. and only in 17% is it over 100 h.p. The average velocity of return air in 50% of all upcast shafts is 1.4 m./sec. to 3.4 m./sec. Velocities of over 6 m./sec. were noted only in 3 % of all upcast shafts. (1)L N.C.B.																									
ASD. 31A METALLURGICAL LITERATURE CLASSIFICATION																									
SECTION 1: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26																									

F

A

67. MEASUREMENT OF HEAT EMISSION IN A COAL MINE AS METHOD OF DETERMINING DEGREE OF SPONTANEOUS HEATING OF COAL. Litvinisyn, J. (Przeegl. Górniczy (Min. Rev.), July/Aug. 1950, 373-373). Based on the principle of conservation of energy, as applied to the kinetic, potential and heat energies of air flowing through workings, equations were established for calculating the quantity of heat emission per unit of time in a given part of an excavation from the speed of the air stream, its temperature, pressure and the level at the beginning and end of the section. The method can be used for the determination of the intensity of the oxidizing process of coal. (L).

Li + winiszyn, J.

Liwiniszyn, J. — A certain boundary problem of a vibrating string. Arch. Méc. Appl., Gdansk 2, 75-88 (1950). (English. Polish summary)

The paper deals with the vibration of a homogeneous string of which the length changes with the time. The boundary conditions thus apply at one fixed point and at one variable point. The case of vibrating hoisting ropes is cited. Riemann's method is applied to make the integration

R. L. Langer (Madison, Wis.)

Source: Mathematical Reviews,

Vol. 13, No. 2

Litwiniszyn J.
Litwiniszyn J., Dr.

Litwiniszyn J., Dr. "Measurements of Heat Emission in a Coal Mine as a Method of determining the Degree of Spontaneous Heating of Coal."
(Pomiar wydzielanego ciepła w kopalni jako metoda oznaczania stanu samozagrewania węgla). Przegląd Gorniczy, No. 7-8, 1950, pp. 370-373, 1 fig.

On the basis of the principle of conservation of energy, in application to the kinetic, potential and heating energies of the air flowing through the workings, equations were established by means of which it is possible to calculate the quantity of heat emission per unit of time in a given part of an excavation. The calculation can be effected on the basis of the measured speed of the air stream, its temperature, pressure and the level height of points corresponding to the beginning and the end of the section of a considered working. The method described of measurement of heat quantity can be used for the determination of the intensity of the oxidising process of coal.

SO: Polish Technical Abstracts - No. 2, 1951

2.

PTA

1941
Lukomazyn J. Some Problems of Air Flow Dynamics in the Ventilation Network of Mines. 622 43 44

"Z zagadnień dynamiki przepływu powietrza w kopalnianych sieciach wentylacyjnych". Przegląd Górniczy. No. 7-8, 1951. 19p. 273-280, 6 figs.

The air flow in an underground ventilation network is not stable. It is variable because of temporary disturbances (trips of the cages in a shaft, circulation of trains, operating of ventilation doors, etc.). A new method is given of determining, by means of a set of differential equations, the amount of air flow and its direction in any circuit and at any moment.

P

A

EFFECT OF TIGHTNESS OF JOINTS ON MINE VENTILATION. Litvinissyn, J. (Pragel.
Gornitsy (Min. Rev.) Dec. 1951, vol. 7, 482-485). (L)

PTA

2

1963
Litwinakyn J. Influence on Mine Ventilation of Fan Air-Lock Resistance. 621.65

„Wpływ oporu uszczelnień wentylatora na przewietrzenie ko-
palni”. Przegląd Górniczy, No. 12, 1961, pp. 482—485, 7 figs.

The increase of air-lock resistance reduces or increases the
amount of air flowing through a mine. Mathematical analysis of
the phenomenon. Deduction of S curve. Relationship between the
position on the raising or falling curve of the intersection point of
the S curve with characteristic lines of the ventilation network and
the decrease or increase of the amount of air flowing through the
mine.

LITWINISZYN, J.

2356. BACK CURRENTS IN UNDERGROUND WORKINGS, Litwiniszyn, J. (Praceł. gór. (Min. Kow.), June 1952, 212-218; abstr. in Polish. Abstr., 1954, vol. 2, (10)). The author notes a conception of the tendency towards originating back-currents. Results obtained, based on equations of the dynamics of gases, make it possible to forecast, on the basis of temperature and pressure distribution, the magnitude and reversing point of this tendency in colliery workings. The phenomenon of back-currents is of particular importance in the case of underground fires. The author proves the likelihood of the occurrence of these currents in inclined workings where fires spread, and in which, under normal conditions, an upward current prevails. Doubts have hitherto been expressed as to the likelihood of this phenomenon. The results obtained by theoretical means are substantiated by practice. (L).

Mathematical Reviews
Vol. 14 No. 10
Nov. 1953
Mechanics

Litvinisyn, J. Generalization of some equations of hydrodynamics. *Prace Mat.-Fiz.* 48, 1-26 (1952).
The author takes the usual form for the stress tensor t^i_j in a viscous fluid, viz.,

$$t^i_j = p\delta^i_j + \lambda d^i_j + 2\mu d^i_j$$

d is the symmetric part of $v_{i,j}$, v_i being the velocity vector. This formula in the special case when $\lambda = \text{const.}$ and $3\lambda + 2\mu = 0$ he takes as the definition of a viscous fluid in a Riemannian space of n dimensions, and apparently he assumes $n=3$. He works out the form which several of the classical equations of hydrodynamics assume in virtue of the fact that covariant derivatives are not in general commutable. These involve $g^{ij}R_{jk}$, where g^{ij} is the metric tensor and R_{jk} is the contracted curvature tensor. [Most of the results are purely formal and seem evident to the reviewer. As is plain, those which are derived in Euclidean space without interchanging the order of derivatives are valid also in any Riemannian space, e.g., the Bjerknes formula.] The author discusses also surface tension and viscous dissipation. There is an appendix containing standard tensor manipulations.
C. Truesdell (Bloomington, Ind.).

LITWINISZYN, J.

"Differential Equation of the Change in a Mine Roof", P. 9, (ARCHIWUM
GORNICTWO I HUTNICTWA, Vol. 1, No. 1, 1953, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 5,
May 1955, Unc.

LITWINISZYN, Jerzy

O pewnym zagadnieniu dwuwymiarowych przepływów turbulentnych (On a Certain Problem of the Two-Dimensional Turbulent Flow). Jerzy Litwiniszyn. *Arch. Mech. Stosowanej* (Warsaw), No. 2, 1963, p. 273. 14 refs. In Polish; abridged in English. Analysis of problems in terms of the phenomenon of heat conduction in a two-dimensional flowing medium under varying velocity conditions.

2
①
0

LITWINISZYN J.

2

V LitwiniŹyn, Jerzy. Differential-integral equations of motion of a deformable fluid mass bounded by a surface subjected to stresses. Arch. Mech. Stos. 5 (1953), 15-20. (Polish. English summary)

1 - P/W

MS Les uations mentionees dans le titre sont drivees par moyen du principe de moments et en changeant les variables euleriens en variables lagrangeiens. De cette maniere l'auteur obtient un region d'integration independant du temps. La forme finale des uations du mouvement est obtenue en vertu d'un theoreme de Lindelof [voir Kamke, Differentialgleichungen, Bd. I, 2te Aufl. Akademische Verlagsgesellschaft, Leipzig, 1943; MR 9, 587]. L'auteur expose l'opinion que le theoreme ordinaire de Gauss-Green ne peut tre applique, parce que les fonctions des committants du tenseur metrique de surface sont determinees seulement pour la surface et non pour la region spatiale limite par lui. L'auteur ne cite aucun travail dans cette domaine.

K. Bhagwandin (Oslo).

LITWINISZYN

APR 18

Litwiniszyn, Jerzy. On a certain problem of the two-dimensional turbulent flow. *Acta Mech.* 5 (1969), 273-290. (Polish. English summary)
 L'auteur commence par une discussion sur quelques théories fondamentales de turbulence. À rés cette exposition l'auteur développe sa théorie propre, qui est basée sur la notion de météorologie pour Schlichting. L'auteur analyse les phénomènes qui se produisent dans le mouvement de la couche limite d'un média-
 teur en mouvement peut être considéré comme un espace-temps: modèle de variation des composants de vitesse secondaire de turbulence. K. Bhagwanan (Oslo).

151. 151

Litwinski, J.

3753

622414:631317.73

Litwinski J., Matczyński J., Ryncarz T. An Electric Model of Mine Ventilation Network.

"Elektryczny analogon kopalnianych sieci wentylacyjnych". Górniczo. No. 1, Kraków, 1954, PWN, pp. 61-74, 9 figs, 1 tab.

By utilizing the mathematical analogy between a fixed air flow in the side lines of a ventilation network and the flow of the electric current through certain kinds of resistors it is possible to design model ventilation networks. This model makes it possible to replace elaborate calculations by simple measurements. An electric bulb may serve as a resistor with approximately analogical current and tension characteristics. The plan of the ventilation network may be the basis for designing the model. The possibility of designing such models as regards statistical studies, and the problem of choosing the correct units are also discussed.

(2)

LITWINSKY, J.

D. O. L.

1970. Olzak, W., and Litwinsky, J., Non-Newtonian liquid flow as a rheological model, *Trans. Am. Soc. Mech. Engrs. Ser. 2*, 92-78, 1084.

The dashpot of the usual rheological model is replaced by two interconnected vessels, one cylindrical closed by a piston, the other of varying shape. By permitting the liquid to condense or to evaporate, by assuming friction between piston and wall, and by replacing the viscous or nonviscous liquid by a gas, the model is made to represent a diversity of rheological behavior.

M. Reiner, Israel

65

LITWINISZYN J.

"Displacements of rocks in the Light of the Theory of Probabilities", P. 447,
(ARCHIWUM GORNICTWA I HUTNICTWA, Vol. 2, No. 4, 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 5,
May 1955, Uncl.

LITWINISZYN, Jerzy

✓
MN
O Pewnym Rodzaju Niejednorodności
Ośrodków Ciągłych (On a Type of Hetero-
geneity of Elastic Bodies). Jerzy Lit-
winiszyn. *Arch. Mech. Stosowanej* (Warta-
wa), no. 3, 1953, pp. 301-314. In Po-
lish, with summaries in English and
Russian.

LITWINISZYN, J.

LITWINISZYN, J. Influence of time on the state of stresses and deformation in a mountain. p. 479. ARCHIWUM GORNICTWA I HUTNICTWA. Warszawa, Poland. Vol. 3, No. 4, 1955

SOURCE: East European Accessions List (EEAL) LC Vol. 5, No. 6, June 1956

LITWINISZYN Jerzy.

3000

*Full
Text* ✓ Litwinski, Jerzy. On a type of heterogeneity of elastic
media. Arch. Mech. Stos. 7 (1955), 301-314. (Polish.
Russian and English summaries) T - F/W
The effect is discussed of the heterogeneity of a con-
tinuous medium due to the spatial and temporary
variation of the relevant physical constants associated
either with density variations resulting from deformation
or flow of the medium, or with imposed external non-
mechanical effects, such as a magnetic field or chemical
reaction- or concentration-gradients. The one-dimensional
equation of motion is established formally.
A. M. Freudenthal (New York, N.Y.). *RMW JSH*

LITWINISZN, J.

Application of the equations of stochastic processes to the mechanics of rock masses. p. 243.

(ARCHIWUM GORNICTWA. Vol. 1, no. 3, 1956, Warsaw, Poland)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 9 Sept. 1957 Uncl.

LITWINISZYN, J.; MACZYNSKI, J.; SMOLARSKI, A.

Experimental investigations of sand used as a stochastic medium. p. 293.
(ARCHIWUM GORNICTWA. Vol. 1, no. 3, 1956, Warsaw, Poland)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 9 Sept. 1957 und.

Litwiniszyn, J.

J. Litwiniszyn On dislocations of granular media
Z. 1505 Mar 2 (1956). 380-389 (Polish. Russian
and English summaries)

LITWINISZYN, J.

"The mechanics of rock masses and their significance in mining"

p. 65 (Review, Journal on Polish science and scientific publications issued
by the Polish Academy, Vol. 2, no. 1/2, Jan/June 1957, Warsaw, Poland)

Monthly Index of East European Accessions (EEAI) LC, Vol. 8, No. 1, Jan. 59.

LITWYNBIZYN, J.

21
with Exchanges of Mass, Monasteries and
Library: Litwyzyn Acad. Pol. Sci. Bel.
No. 1, 1951, pp. 21-22

11 2

je

Litwinski, Jerzy. Flows with the exchange of mass,
momentum and energy. Arch. Mech. Stos. 9 (1957),
669-683. (Polish and Russian summaries)

Equations for one-dimensional flow with addition or subtraction of mass, momentum, and energy along the stream tube are written down, first in Lagrangian and then in Eulerian coordinates. Examples treated are (1) incompressible flow with mass addition and (2) perfect-gas flow, originally steady and uniform, but with introduction of mass and energy along the tube beginning at a certain instant.

W. R. Sears (Ithaca, N.Y.)

11 SR

3
SR

LITWINISZYN, J.

Scientific methods of mining research. p. 95.

PRZEGIAD GORNICZY. Stowarzyszenie Naukowo-Techniczne Inzynierow i Technikow Gornictwa. Katowice, Poland, Vol. 15, No. 3, March, 1959.

Monthly List of East European Accessions (EEAI), LC, VOL. 8, No. 9, September, 1959.
Uncl.

LITWINISZYN, J.

Flow stability in pipe networks. Bul Ac Pol tech 7 no.10:599-608 '59.
(EEAI 9:7)

1. Department of Mechanics of Continuous Media, Institute of Basic
Technical Problems, Polish Academy of Sciences.
(Flow) (Pipe) (Mine ventilation)

LITWINISZYN, J.

On a certain problem of stochastic bodies with discontinuously
nonhomogeneous properties. Bul Ac Pol tech 7 no.12:673-678 '59.
(ETA 9:6)

1. Department of Mechanics of Continuous Media, Institute of
Basic Technical Problems, Polish Academy of Sciences.

(Amorphous substances) (Continuity)
(Sand) (Mining engineering)

LITWINISZYN, J.

The phenomenon of propagation of smoke in ventilation networks
from the aspect of stochastic processes. Archiw gorn 5 no.4:
293-304 '60.

LITWINISZYN, J.

On the process of formation of the mosaic structure in some loose
media. Bul Ac Pol tech 8 no. 5 209-217 '60. (REAI 9:10)

1. Department of Mechanics of Continuous Media, Institute of Basic
Technical Problems, Polish Academy of Sciences.
(Mechanics, Applied) (Rods)